

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 17, 2005, 23:04:44 : Search time 16.0699 Seconds
(without alignments)
1830.235 Million cell updates/sec

Title: US-10-612-668-17

Perfect score: 1 MGFRLVNTVNSGVTLNFSN.....EVDTPNDFGPTPLASKIG 394

Scoring table: BIOSUM62
Gapop 10.0, Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: Issued Patents AA.*
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3: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6A.COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/PCTUS.COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2084	100.0	394	2	US-08-555-568B-17
2	2084	100.0	394	3	US-09-519-223-17
3	2084	100.0	394	4	US-09-927-180-17
4	2084	100.0	687	2	US-08-555-568B-21
5	2084	100.0	687	4	US-09-519-223-21
6	2084	100.0	687	4	US-09-927-180-21
7	2084	100.0	688	2	US-08-555-568B-23
8	2084	100.0	688	3	US-09-519-223-23
9	2084	100.0	688	4	US-09-927-180-23
10	2078	99.7	819	4	US-09-949-016-10948
11	1837	88.1	752	1	US-08-281-193-2
12	1837	88.1	752	2	US-08-422-106-2
13	1837	88.1	752	1	US-08-735-716-2
14	1837	88.1	752	2	US-08-555-568B-2
15	1837	88.1	752	3	US-09-519-223-2
16	1837	88.1	752	4	US-09-927-180-2
17	1837	88.1	752	5	PCT-US95-08069-2
18	1837	88.1	752	5	US-09-270-767-46130
19	494.5	23.7	896	4	US-09-270-767-61684
20	359.5	17.3	545	4	US-09-172-977-3
21	338	16.2	843	2	US-09-404-108-3
22	332	15.9	1839	2	US-09-172-977-4
23	332	15.9	1839	4	US-09-404-108-4
24	332	15.9	2753	4	US-09-949-016-7659
25	332	15.9	2753	4	US-09-949-016-7660
26	332	15.9	3924	4	US-09-538-092-1246
27	305.5	14.7	1745	2	US-09-031-485-33

28	305.5	14.7	1745	2	US-08-847-429A-33	Sequence 33, Appl
29	305.5	14.7	1745	3	US-09-065-474-33	Sequence 33, Appl
30	305.5	14.7	1745	3	US-09-557-034-33	Sequence 2, Appl
31	301	14.4	786	4	US-09-509-802-2	Sequence 334, App
32	301	14.4	787	3	US-09-188-930-334	Sequence 334, App
33	301	14.4	787	3	US-09-312-283C-334	Sequence 2, Appl
34	296	14.2	1088	3	US-09-082-059-2	Sequence 10933, A
35	296	14.2	3913	4	US-09-949-016-10933	Sequence 6978, Ap
36	296	14.2	4377	4	US-09-949-016-6978	Sequence 6964, Ap
37	294	14.1	1119	4	US-09-949-016-6964	Sequence 5876, Ap
38	294	14.1	1860	4	US-09-949-016-6965	Sequence 6965, Ap
39	294	14.1	1881	4	US-09-949-016-9010	Sequence 9010, Ap
40	294	14.1	1883	4	US-09-949-016-9011	Sequence 9011, Ap
41	294	14.1	1883	4	US-09-949-016-9012	Sequence 9012, Ap
42	294	14.1	1883	4	US-09-949-016-9013	Sequence 9013, Ap
43	294	14.1	1883	4	US-09-949-016-9014	Sequence 9014, Ap
44	294	14.1	1883	4	US-09-949-016-9014	Sequence 9014, Ap
45	294	14.1	1883	4	US-09-949-016-9014	Sequence 9014, Ap

ALIGNMENTS

RESULT 1
US-08-555-568B-17
Sequence 17, Application US/08555568B
Patent No. 5976854
GENERAL INFORMATION:
APPLICANT: Jones, Simon
APPLICANT: Tang, Jim
TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESSES:
ADDRESSES: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
Application Number: US/08/555,568B
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SRO ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 394 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-555-568B-17
Query Match 100.0%; Score 2084; DB 2; Length 394;
Best Local Similarity 100.0%; Pred. No. 56-223;
Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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1 MGFRLVNTVNSGVTLNFSNPFRKVEAVADVTSDDRVREGGQLIFONTPTNPTWDCVLY 60
61 NPRNSQSFRLFOLEADLVNFOYSSQLLPFYESSPOVLATEVLOHLTDIRNHPW 120
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DB 121 SVAAHLAVELGIRECFHSHRIISCANCAENEBGCTPLHLACRGDEILVELVOYCHTOMD 180
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DB 181 VTDYKGETVPHAVOGDNSQVOLLGRNNAVAGLNQVNNQGLTPLHLACQKQKQEMVVL 240
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DB 241 LCNARCNIMGPNGYPIHSAMKFSQKCAEMIISMDSQIHSKDPYRGASPLHMANKNAEMA 300
QY 301 RMLKRGCVNSTSSAGNTALHGVWRNRPDCAIYLLTHGANADARGHGNTPLHLAMSK 360
DB 301 RMLKRGCVNSTSSAGNTALHGVWRNRPDCAIYLLTHGANADARGHGNTPLHLAMSK 360
QY 361 DNEMIKALIVFGAEVDTNDFGETPTFLASKIG 394
DB 361 DNEMIKALIVFGAEVDTNDFGETPTFLASKIG 394

RESULT 2

US-09-519-223-17
Sequence 17, Application US/09519223
Patent No. 6274140
GENERAL INFORMATION:
APPLICANT: Jones, Simon
TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/519,223
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/555,568
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 394 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-519-223-17

Query Match 100.0%; Score 2084; DB 3; Length 394;
Best Local Similarity 100.0%; Pred. No. 5e-223;
Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MOFGRLVNTFSGVNTLFSNPFYKAVAVADYSSDRVREGQILFQNTPNRTWDCVLY 60
QY 61 NFRNSQGRFLFQLELEADALVNFHQYSSQLLPFYESSPVLHTEVLQHLTDIRHPSW 120

DB 61 NFRNSQGRFLFQLELEADALVNFHQYSSQLLPFYESSPVLHTEVLQHLTDIRHPSW 120
QY 121 SVAAHLAVELGIRECFHSHRIISCANCAENEBGCTPLHLACRGDEILVELVOYCHTOMD 180
DB 121 SVAAHLAVELGIRECFHSHRIISCANCAENEBGCTPLHLACRGDEILVELVOYCHTOMD 180
QY 181 VTDYKGETVPHAVOGDNSQVOLLGRNNAVAGLNQVNNQGLTPLHLACQKQKQEMVVL 240
DB 181 VTDYKGETVPHAVOGDNSQVOLLGRNNAVAGLNQVNNQGLTPLHLACQKQKQEMVVL 240
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DB 241 LCNARCNIMGPNGYPIHSAMKFSQKCAEMIISMDSQIHSKDPYRGASPLHMANKNAEMA 300
QY 301 RMLKRGCVNSTSSAGNTALHGVWRNRPDCAIYLLTHGANADARGHGNTPLHLAMSK 360
DB 301 RMLKRGCVNSTSSAGNTALHGVWRNRPDCAIYLLTHGANADARGHGNTPLHLAMSK 360
QY 361 DNEMIKALIVFGAEVDTNDFGETPTFLASKIG 394
DB 361 DNEMIKALIVFGAEVDTNDFGETPTFLASKIG 394

RESULT 3

US-09-927-180-17
Sequence 17, Application US/09927180
Patent No. 6645736
GENERAL INFORMATION:
APPLICANT: Jones, Simon
TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/927,180
FILING DATE: 09-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/519,223
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 394 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-09-927-180-17

Query Match 100.0%; Score 2084; DB 4; Length 394;
Best Local Similarity 100.0%; Pred. No. 5e-223;
Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MOFGRLVNTFSGVNTLFSNPFYKAVAVADYSSDRVREGQILFQNTPNRTWDCVLY 60
DB 1 MOFGRLVNTFSGVNTLFSNPFYKAVAVADYSSDRVREGQILFQNTPNRTWDCVLY 60
QY 61 NFRNSQGRFLFQLELEADALVNFHQYSSQLLPFYESSPVLHTEVLQHLTDIRHPSW 120

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: November 17, 2005, 23:15:10 ; Search time 81.4975 Seconds
(without alignments)
2022.804 Million cell updates/sec

Title: US-10-612-668-17
Perfect score: 2084
Sequence: 1 MCFGRVNTVFGVNTLPSN.....EVDTPNDGFTPLASKIG 394

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1867879 seqs, 418409474 residues
Total number of hits satisfying chosen parameters: 1867879

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

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22:	/cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	2084	100.0	394	18 US-10-612-668-17	Sequence 17, Appl
3	2084	100.0	687	9 US-09-927-180-21	Sequence 21, Appl
4	2084	100.0	687	18 US-10-612-668-21	Sequence 21, Appl
5	2084	100.0	688	9 US-09-927-180-23	Sequence 23, Appl
6	2084	100.0	688	18 US-10-612-668-23	Sequence 23, Appl
7	1837	88.1	752	9 US-09-927-180-2	Sequence 2, Appl
8	1837	88.1	752	18 US-10-612-668-2	Sequence 2, Appl
9	1234.5	59.2	667	15 US-10-108-260A-3778	Sequence 3778, Ap
10	494.5	23.7	877	20 US-11-097-143-14664	Sequence 14664, A
11	324	15.5	1330	15 US-10-108-260A-3237	Sequence 3237, Ap

12	313.5	15.0	1549	20 US-11-097-143-1776	Sequence 1776, Ap
13	313.5	15.0	1549	20 US-11-097-143-29028	Sequence 29028, A
14	302.5	14.5	2443	20 US-11-097-143-8355	Sequence 8355, Ap
15	301	14.4	786	14 US-10-164-080-2	Sequence 2, Appl
16	301	14.4	786	14 US-10-299-327-2	Sequence 2, Appl
17	301	14.4	786	14 US-10-128-174-13	Sequence 13, Appl
18	301	14.4	786	14 US-10-128-174-31	Sequence 31, Appl
19	301	14.4	786	14 US-10-128-174-32	Sequence 32, Appl
20	301	14.4	786	14 US-10-128-174-33	Sequence 33, Appl
21	301	14.4	787	10 US-09-866-050A-334	Sequence 34, Appl
22	300.5	14.4	347	10 US-10-128-174-30	Sequence 30, Appl
23	300.5	14.4	1724	9 US-09-964-899-43	Sequence 43, Appl
24	300.5	14.4	1724	18 US-10-975-523-43	Sequence 43, Appl
25	296	14.2	1094	17 US-10-479-764-22	Sequence 22, Appl
26	296	14.2	1097	18 US-10-450-763-52300	Sequence 52300, A
27	296	14.2	3913	15 US-10-334-143-45	Sequence 45, Appl
28	296	14.2	4274	18 US-10-450-763-31331	Sequence 31331, A
29	296	14.2	4377	18 US-10-756-149-4917	Sequence 4917, Ap
30	296	14.2	4386	18 US-10-450-763-37734	Sequence 37734, A
31	296	14.2	4387	18 US-10-450-763-52303	Sequence 52303, A
32	288	13.8	1762	14 US-10-205-194-117	Sequence 117, App
33	283.5	13.6	784	14 US-10-164-080-7	Sequence 7, Appl
34	283.5	13.6	784	15 US-10-258-951-70	Sequence 56, Appl
35	283.5	13.6	784	18 US-10-923-035-56	Sequence 56, Appl
36	281.5	13.5	784	18 US-10-990-000-70	Sequence 70, Appl
37	281.5	13.5	784	14 US-10-354-358-38	Sequence 38, Appl
38	281.5	13.5	784	14 US-10-128-174-12	Sequence 12, Appl
39	281.5	13.5	784	15 US-10-658-904-2	Sequence 20, Appl
40	280.5	13.5	720	15 US-10-433-794-20	Sequence 3, Appl
41	280.5	13.5	765	14 US-10-128-174-3	Sequence 3, Appl
42	280.5	13.5	765	14 US-10-128-174-34	Sequence 34, Appl
43	280.5	13.5	765	14 US-10-128-174-35	Sequence 35, Appl
44	280.5	13.5	765	14 US-10-128-174-36	Sequence 36, Appl
45	280.5	13.5	765	14 US-10-128-174-37	Sequence 37, Appl

ALIGNMENTS

RESULT 1
US-09-927-180-17
; Sequence 17, Application US/09927180
; Patent No. US20020106364A1
GENERAL INFORMATION:
APPLICANT: Jones, Simon
TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSER: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/927,180
FILING DATE: 09-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/519,223
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 17:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 394 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 17:
 US-09-927-180-17

Query Match 100.0%; Score 2084; DB 9; Length 394;
 Best Local Similarity 100.0%; Pred. No. 6, 5e-191;
 Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MPEGRVNTFSGVTNLFSPFRVKEVAVADYTSDDRVREBQGLIFONTPNRTWDCVLY 60
 1 MPEGRVNTFSGVTNLFSPFRVKEVAVADYTSDDRVREBQGLIFONTPNRTWDCVLY 60
 61 NPNRSQSGFRLFOLEADALVNFHOYSSQLPFYESSPOVLHTEVLOHLDLIRNHP 120
 61 NPNRSQSGFRLFOLEADALVNFHOYSSQLPFYESSPOVLHTEVLOHLDLIRNHP 120
 121 SVHLAVELGIRECFHHSRIISCANCAENEGCTPLHLACRKDGELVELVOYCHTOMD 180
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 181 VTDYKGETVFHYAVQGDNSQVQLLGRNAAVAGLNQVNNQGLTPLHLACQKQKEMRVLL 240
 181 VTDYKGETVFHYAVQGDNSQVQLLGRNAAVAGLNQVNNQGLTPLHLACQKQKEMRVLL 240
 211 LCNACNIMNGNGVPIHSAMKFSQKCAEMIISDSSQIHSKDPYRGASPLHAKNAEMA 300
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 241 RMLLRGCVNSTSSAGNTALHVGVMRRFPDCAIVLLTHGANADARBEHNTPLHLMSK 360
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 361 DNVEMIKALIVGAEDVTPNDGEPPTFLASKIG 394
 361 DNVEMIKALIVGAEDVTPNDGEPPTFLASKIG 394

RESULT 2
 US-10-612-668-17
 Sequence 17, Application US/10612668
 Publication No. US20050196852A1
 GENERAL INFORMATION:
 APPLICANT: Jones, Simon
 TANG, Jim
 TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genetics Institute, Inc.
 STREET: 87 Cambridgepark Drive
 CITY: Cambridge
 STATE: Massachusetts
 COUNTRY: U.S.A.
 ZIP: 02140
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25 (ERO)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/612,668
 FILING DATE: 01-Jul-2003
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/927,180
 FILING DATE: 09-Aug-2001
 APPLICATION NUMBER: 09/519,223
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:

NAME: Brown, Scott A.
 REGISTRATION NUMBER: 32,724
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 498-8224
 TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 17:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 394 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 17:
 US-10-612-668-17

Query Match 100.0%; Score 2084; DB 18; Length 394;
 Best Local Similarity 100.0%; Pred. No. 6, 5e-191;
 Matches 394; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MPEGRVNTFSGVTNLFSPFRVKEVAVADYTSDDRVREBQGLIFONTPNRTWDCVLY 60
 1 MPEGRVNTFSGVTNLFSPFRVKEVAVADYTSDDRVREBQGLIFONTPNRTWDCVLY 60
 61 NPNRSQSGFRLFOLEADALVNFHOYSSQLPFYESSPOVLHTEVLOHLDLIRNHP 120
 61 NPNRSQSGFRLFOLEADALVNFHOYSSQLPFYESSPOVLHTEVLOHLDLIRNHP 120
 121 SVHLAVELGIRECFHHSRIISCANCAENEGCTPLHLACRKDGELVELVOYCHTOMD 180
 121 SVHLAVELGIRECFHHSRIISCANCAENEGCTPLHLACRKDGELVELVOYCHTOMD 180
 181 VTDYKGETVFHYAVQGDNSQVQLLGRNAAVAGLNQVNNQGLTPLHLACQKQKEMRVLL 240
 181 VTDYKGETVFHYAVQGDNSQVQLLGRNAAVAGLNQVNNQGLTPLHLACQKQKEMRVLL 240
 211 LCNACNIMNGNGVPIHSAMKFSQKCAEMIISDSSQIHSKDPYRGASPLHAKNAEMA 300
 211 LCNACNIMNGNGVPIHSAMKFSQKCAEMIISDSSQIHSKDPYRGASPLHAKNAEMA 300
 241 RMLLRGCVNSTSSAGNTALHVGVMRRFPDCAIVLLTHGANADARBEHNTPLHLMSK 360
 241 RMLLRGCVNSTSSAGNTALHVGVMRRFPDCAIVLLTHGANADARBEHNTPLHLMSK 360
 301 RMLLRGCVNSTSSAGNTALHVGVMRRFPDCAIVLLTHGANADARBEHNTPLHLMSK 360
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 361 DNVEMIKALIVGAEDVTPNDGEPPTFLASKIG 394
 361 DNVEMIKALIVGAEDVTPNDGEPPTFLASKIG 394

RESULT 3
 US-09-927-180-21
 Sequence 21, Application US/09927180
 Patent No. US20020106364A1
 GENERAL INFORMATION:
 APPLICANT: Jones, Simon
 TANG, Jim
 TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genetics Institute, Inc.
 STREET: 87 Cambridgepark Drive
 CITY: Cambridge
 STATE: Massachusetts
 COUNTRY: U.S.A.
 ZIP: 02140
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25 (ERO)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/927,180
 FILING DATE: 09-Aug-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 17, 2005, 23:04:44 : Search time 11.9097 Seconds
(without alignments)
1830.225 Million cell updates/sec

Title: US-10-612-668-19
Perfect score: 1531
Sequence: 1 LQDLMHISRAKRAFFILGSM.....GAKELGKMWVDCCTDPDGRP 292

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
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4	1531	100.0	687	2	US-08-555-568B-21
5	1531	100.0	687	3	US-09-519-223-21
6	1531	100.0	687	4	US-09-927-180-21
7	1531	100.0	688	2	US-08-555-568B-23
8	1531	100.0	688	3	US-09-519-223-23
9	1531	100.0	688	4	US-09-927-180-23
10	1524	99.5	819	4	US-09-949-016-10948
11	1471	96.1	752	1	US-08-281-193-2
12	1471	96.1	752	2	US-08-422-106-2
13	1471	96.1	752	1	US-08-735-716-2
14	1471	96.1	752	2	US-08-555-568B-2
15	1471	96.1	752	3	US-09-519-223-2
16	1471	96.1	752	4	US-09-927-180-2
17	1471	96.1	752	5	PCT-US95-08069-2
18	736	48.1	896	4	US-09-270-767-46130
19	610	39.8	545	4	US-09-270-767-61684
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21	177	11.6	410	4	US-09-755-630B-290
22	177	11.6	410	4	US-09-755-630B-292
23	177	11.6	410	4	US-09-755-274-10
24	177	11.6	410	4	US-09-755-274-12
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26	175	11.4	337	4	US-09-755-274-13
27	175	11.4	410	2	US-08-449-986-2

28	175	11.4	410	2	US-08-756-855-2	Sequence 2, Appl
29	175	11.4	410	4	US-09-755-630B-288	Sequence 288, App
30	175	11.4	410	4	US-09-755-630B-291	Sequence 291, App
31	175	11.4	410	4	US-09-755-274-8	Sequence 8, Appl
32	175	11.4	410	4	US-09-755-274-11	Sequence 11, Appl
33	175	11.4	508	4	US-09-755-630B-289	Sequence 289, App
34	175	11.4	508	4	US-09-755-274-9	Sequence 9, Appl
35	142.5	9.3	383	1	US-07-936-163-4	Sequence 4, Appl
36	140	9.1	381	1	US-07-936-163-3	Sequence 3, Appl
37	140	9.1	386	4	US-09-755-630B-278	Sequence 278, App
38	140	9.1	386	4	US-09-755-274-5	Sequence 5, Appl
39	139	9.1	366	4	US-09-755-630B-263	Sequence 263, App
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41	138	9.0	367	4	US-09-755-630B-7	Sequence 7, Appl
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43	138	9.0	386	4	US-09-755-630B-2	Sequence 2, Appl
44	138	9.0	386	4	US-09-755-630B-265	Sequence 265, App
45	138	9.0	386	4	US-09-755-630B-286	Sequence 286, App

ALIGNMENTS

RESULT 1
US-08-555-568B-19
Sequence 19, Application US/08555568B
Patent No. 5976854
GENERAL INFORMATION:
APPLICANT: Jones, Simon
TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS: Genetics Institute, Inc.
ADDRESS: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (ERO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/555,568B
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 292 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-555-568B-19
Query Match 100.0%: Score 1531; DB 2; Length 292;
Best Local Similarity 100.0%: Pred. No. 9.1e-168;
Matches 292; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 121 HTKMTDVRKPKWMLTGLTSDROPALHLFRNYDAPETVREPRFNQNVNLRPPAOPSDOLV 180
DB 121 HTKMTDVRKPKWMLTGLTSDROPALHLFRNYDAPETVREPRFNQNVNLRPPAOPSDOLV 180
QY 181 WRAARSSGAAPTYFRPNGRFLDGLLANNPTLDAMTEIHEYNODLIRKQANKVKLSIV 240
DB 181 WRAARSSGAAPTYFRPNGRFLDGLLANNPTLDAMTEIHEYNODLIRKQANKVKLSIV 240
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DB 241 VSLGTGRSPQVPVTCVDVFRPSNFWELAKTVFGAKELGKMWVDDCTDPDGRP 292

RESULT 2
US-09-519-223-19
Sequence 19, Application US/09519223
Patent No. 6274140

GENERAL INFORMATION:

APPLICANT: Jones, Simon
TANG, JIM

TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25

CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.

STREET: 87 Cambridgepark Drive
CITY: Cambridge

STATE: Massachusetts
COUNTRY: U.S.A.

ZIP: 02140

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/519,223

FILING DATE:
CLASSIFICATION:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/555,568

FILING DATE:
ATTORNEY/AGENT INFORMATION:

NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224

TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:
LENGTH: 292 amino acids

TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-09-519-223-19

Query Match 100.0%; Score 1531; DB 3; Length 292;
Best Local Similarity 100.0%; Pred. No. 9,1e-168;
Matches 292; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 181 WRAARSSGAAPTYFRPNGRFLDGLLANNPTLDAMTEIHEYNODLIRKQANKVKLSIV 240
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DB 241 VSLGTGRSPQVPVTCVDVFRPSNFWELAKTVFGAKELGKMWVDDCTDPDGRP 292

RESULT 3
US-09-927-180-19
Sequence 19, Application US/09927180
Patent No. 6645736

GENERAL INFORMATION:

APPLICANT: Jones, Simon
TANG, JIM

TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25

CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.

STREET: 87 Cambridgepark Drive
CITY: Cambridge

STATE: Massachusetts
COUNTRY: U.S.A.

ZIP: 02140

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/927,180

FILING DATE: 09-Aug-2001
CLASSIFICATION: <unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/519,223

FILING DATE: <unknown>
ATTORNEY/AGENT INFORMATION:

NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224

TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:
LENGTH: 292 amino acids

TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 19:

US-09-927-180-19
Query Match 100.0%; Score 1531; DB 4; Length 292;
Best Local Similarity 100.0%; Pred. No. 9,1e-168;
Matches 292; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 LFDVWAGTSTGIGLALAILHSKSMAYVRGMVFRMKDEVFRGSRPYESGPLEEFLKEFG 120
QY 121 HTKMTDVRKPKWMLTGLTSDROPALHLFRNYDAPETVREPRFNQNVNLRPPAOPSDOLV 180
DB 121 HTKMTDVRKPKWMLTGLTSDROPALHLFRNYDAPETVREPRFNQNVNLRPPAOPSDOLV 180
QY 181 WRAARSSGAAPTYFRPNGRFLDGLLANNPTLDAMTEIHEYNODLIRKQANKVKLSIV 240
DB 181 WRAARSSGAAPTYFRPNGRFLDGLLANNPTLDAMTEIHEYNODLIRKQANKVKLSIV 240
QY 241 VSLGTGRSPQVPVTCVDVFRPSNFWELAKTVFGAKELGKMWVDDCTDPDGRP 292
DB 241 VSLGTGRSPQVPVTCVDVFRPSNFWELAKTVFGAKELGKMWVDDCTDPDGRP 292

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compen Ltd.

OM protein - protein search, using sw model

Run on: November 17, 2005, 23:15:10 / Search time 60.3991 Seconds
(without alignments)
2022.804 Million cell updates/sec

Title: US-10-612-668-19

Perfect score: 1531

Sequence: 1 LODIWHISRRARPKAFILGSM.....GAKELGRNVDCCTPDGRP 292

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 1867879 seqs, 418409474 residues

Total number of hits satisfying chosen parameters: 1867879

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	1531	100.0	687	18 US-10-612-668-21	Sequence 21, Appl
5	1531	100.0	688	9 US-09-927-180-23	Sequence 23, Appl
6	1531	100.0	688	18 US-10-612-668-23	Sequence 23, Appl
7	1524	99.5	667	15 US-10-108-2604-3778	Sequence 3778, Ap
8	1471	96.1	752	9 US-09-927-180-2	Sequence 2, Appl
9	1471	96.1	752	18 US-10-612-668-2	Sequence 2, Appl
10	736	48.1	877	20 US-11-097-143-14664	Sequence 14664, A
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15	245	16.0	1053	16 US-10-425-115-196524	Sequence 196524, A
16	235	15.3	1254	16 US-10-437-963-169583	Sequence 169583, A
17	234	15.3	387	15 US-10-421-654-66	Sequence 66, Appl
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19	211.5	13.8	370	9 US-09-923-300-1483	Sequence 1483, Ap
20	211.5	13.8	562	17 US-10-786-505-21	Sequence 21, Appl
21	211.5	13.8	661	17 US-10-786-505-18	Sequence 18, Appl
22	211.5	13.8	682	16 US-10-181-069-9	Sequence 9, Appl
23	211.5	13.8	782	17 US-10-786-505-15	Sequence 15, Appl
24	211.5	13.6	350	15 US-10-421-654-100	Sequence 100, App
25	208.5	13.6	350	17 US-10-796-907-102	Sequence 100, App
26	208.5	13.6	308	17 US-10-796-907-132	Sequence 132, App
27	207.5	13.6	577	15 US-10-310-154-616	Sequence 253117, A
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30	201	13.1	382	15 US-10-424-599-258423	Sequence 258423, A
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32	193.5	12.6	387	16 US-10-421-654-18	Sequence 18, Appl
33	190	12.4	378	15 US-10-421-654-18	Sequence 18, Appl
34	190	12.4	378	17 US-10-796-907-18	Sequence 13, Appl
35	182	11.9	37	20 US-11-028-376-13	Sequence 6, Appl
36	182	11.9	37	20 US-11-010-558-6	Sequence 6, Appl
37	178	11.6	435	16 US-10-425-115-343159	Sequence 343159, A
38	177	11.6	410	10 US-09-755-630A-290	Sequence 290, App
39	177	11.6	410	10 US-09-755-630A-292	Sequence 292, App
40	177	11.6	410	16 US-10-658-180-290	Sequence 292, App
41	177	11.6	410	16 US-10-658-180-292	Sequence 292, App
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45	177	11.6	437	15 US-10-425-114-39376	Sequence 39376, A

ALIGNMENTS

RESULT 1
US-09-927-180-19
Sequence 19, Application US/09927180
Patent No. US20020106364A1
GENERAL INFORMATION:
APPLICANT: Jones, Simon
Tang, Jim
TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/927,180
FILING DATE: 09-Aug-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/519,223
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 292 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 19:

US-09-927-180-19
 Query Match 100.0%; Score 1531; DB 9; Length 292;
 Best Local Similarity 100.0%; Pred. No. 4,1e-152; Indels 0; Gaps 0;
 Matches 292; Conservative 0; Mismatches 0;

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 DB 241 VSLGTGRSPQVPTCVDFRPSNPWEIAKTVFGAKELGKRVVDCCTDPDGRP 292

RESULT 2
 US-10-612-668-19
 Sequence 19, Application US/10612668
 Publication No. US20050196852A1

GENERAL INFORMATION:
 APPLICANT: Jones, Simon
 Tang, Jim

TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genetics Institute, Inc.
 STREET: 87 Cambridgepark Drive
 CITY: Cambridge
 STATE: Massachusetts
 COUNTRY: U.S.A.

ZIP: 02140
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/612,668
 FILING DATE: 01-Jul-2003
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/927,180
 FILING DATE: 09-Aug-2001
 APPLICATION NUMBER: 09/519,223
 FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
 NAME: Brown, Scott A.
 REGISTRATION NUMBER: 32,724
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 498-8224
 TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 19:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 292 amino acids

TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 19:

US-10-612-668-19
 Query Match 100.0%; Score 1531; DB 18; Length 292;
 Best Local Similarity 100.0%; Pred. No. 4,1e-152; Indels 0; Gaps 0;
 Matches 292; Conservative 0; Mismatches 0;

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 DB 1 LODLMIISARKKPAFLIGSMRDEKTHDHLCLDGGVKGKLIITQLLIAIEKASGVATKD 60
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 DB 61 LFDVAVAGTSTGGILALAILHSKSMAYMRGMVFRMKDEVFRGSRPYESGLEEFLEKREFGE 120
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 DB 121 HTKMTDVRKPKVMLTGTLSDROPALHLFRNYDAPETVREPRFNQVNLRPAPQPSDQLY 180
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 DB 181 WRAARSSGAAPTYFRPNRFLDGLLANNPTLDAMTEIHEYNDLIRKQANKVKKLSIV 240
 QY 241 VSLGTGRSPQVPTCVDFRPSNPWEIAKTVFGAKELGKRVVDCCTDPDGRP 292
 DB 241 VSLGTGRSPQVPTCVDFRPSNPWEIAKTVFGAKELGKRVVDCCTDPDGRP 292

RESULT 3
 US-09-927-180-21
 Sequence 21, Application US/09927180
 Patent No. US20020106364A1

GENERAL INFORMATION:

APPLICANT: Jones, Simon
 Tang, Jim

TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genetics Institute, Inc.
 STREET: 87 Cambridgepark Drive
 CITY: Cambridge
 STATE: Massachusetts
 COUNTRY: U.S.A.

ZIP: 02140
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/927,180
 FILING DATE: 09-Aug-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/519,223
 FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
 NAME: Brown, Scott A.
 REGISTRATION NUMBER: 32,724
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 498-8224
 TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 21:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 687 amino acids
 TYPE: amino acid
 TOPOLOGY: linear

MOLECULE TYPE: protein
 SEQUENCE DESCRIPTION: SEQ ID NO: 21:
 US-09-927-180-21

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OM protein - protein search, using sw model

Run on: November 17, 2005, 23:04:44 ; Search time 28.0204 Seconds
(without alignments)
1830.235 Million cell updates/sec

Title: US-10-612-668-21

Perfect score: 3620
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Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3620	100.0	687	2	US-08-555-568B-21
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3	3620	100.0	687	4	US-09-927-180-21
4	3606.5	99.6	688	2	US-08-555-568B-23
5	3606.5	99.6	688	3	US-09-519-223-23
6	3606.5	99.6	688	4	US-09-927-180-23
7	3566.5	98.5	819	4	US-09-949-016-10948
8	3302.5	91.2	752	1	US-08-281-193-2
9	3302.5	91.2	752	1	US-08-422-105-2
10	3302.5	91.2	752	2	US-08-735-716-2
11	3302.5	91.2	752	2	US-08-555-568B-2
12	3302.5	91.2	752	3	US-09-519-223-2
13	3302.5	91.2	752	3	US-09-927-180-2
14	3302.5	91.2	752	4	US-09-927-180-2
15	3084	57.6	394	5	PCT-US95-08069-2
16	2084	57.6	394	3	US-08-555-568B-17
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19	1531	42.3	292	3	US-09-519-223-19
20	1531	42.3	292	4	US-09-270-767-46130
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22	902.5	24.9	545	4	US-09-270-767-33288
23	371	10.2	143	4	US-09-172-977-3
24	338	9.3	843	4	US-09-404-108-3
25	338	9.2	1839	2	US-09-172-977-4
26	332	9.2	1839	2	US-09-404-108-4
27	332	9.2	1839	4	US-09-404-108-4

28	332	9.2	2753	4	US-09-949-016-7659	Sequence 7659, Ap
29	332	9.2	2753	4	US-09-949-016-7660	Sequence 7660, Ap
30	332	9.2	3974	4	US-09-538-092-1246	Sequence 1246, Ap
31	305.5	8.4	1745	2	US-09-031-485-33	Sequence 33, Appl
32	305.5	8.4	1745	2	US-08-847-429A-33	Sequence 33, Appl
33	305.5	8.4	1745	3	US-09-065-474-33	Sequence 33, Appl
34	305.5	8.4	1745	3	US-09-557-034-33	Sequence 33, Appl
35	302	8.3	786	4	US-09-509-802-2	Sequence 2, Appl
36	302	8.3	787	3	US-09-188-930-334	Sequence 334, App
37	302	8.3	787	4	US-09-112-283C-334	Sequence 2, Appl
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39	296	8.2	3913	4	US-09-949-016-6978	Sequence 6978, Ap
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ALIGNMENTS

RESULT 1
US-08-555-568B-21
Sequence 21, Application US/08555568B
Patent No. 5976854
GENERAL INFORMATION:
APPLICANT: Jones, Simon
TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSER: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25 (BPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/555,568B
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 687 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-555-568B-21
Query Match 100.0%; Score 3620; DB 2; Length 687;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 687; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MOFFGRLVNTFGSVTNLFNSNPPRVKVAADYSSDRVREBQGLIFONTPNRTMDCV 60
QY 61 NPNNSGQFLLPQLEADALVNFHOYSSQLLPFYESSPQVLTTEVLAQHTDLIRNPSW 120
DB 61 NPNNSGQFLLPQLEADALVNFHOYSSQLLPFYESSPQVLTTEVLAQHTDLIRNPSW 120

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QY 121 SVAHLAVELGIRECFHSHRIISCANCAENEGCTPLHLACRKDEILVELVOYCHTOMD 180
DB 121 SVAHLAVELGIRECFHSHRIISCANCAENEGCTPLHLACRKDEILVELVOYCHTOMD 180
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DB 181 VTDYKGETVFHYAVOQDNSQVQLLGRNAVAGLNOVNOGTLPLHLACQLGKQEMVAVLL 240
QY 241 LCNARCNIMGNGVPIHSAMKFSQKCAEMIISMDSQIHSKDPYRGA SPLHMAKNAEMA 300
DB 241 LCNARCNIMGNGVPIHSAMKFSQKCAEMIISMDSQIHSKDPYRGA SPLHMAKNAEMA 300
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DB 301 RMLKRGCVNVTSSAGNTALHVGVMRNPDCALVLLTHGANADARGEHNTPLHLAMSK 360
QY 361 DNEMIKALIVFGAEVDPNDPGETPTFLASKIGKLODLMIHISRAKPAFLIGSRDEKR 420
DB 361 DNEMIKALIVFGAEVDPNDPGETPTFLASKIGKLODLMIHISRAKPAFLIGSRDEKR 420
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DB 421 THDHLCLDGGGVKGLIIQLLIAIEKASGVATKDLFDWVAGTSTGGILALAILHKSMA 480
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DB 481 YMRGMYFRMKDEVFRGSRPYESGPLLEFLKREFGEHTKMTDVRKPKVMTGTLSDROPAB 540
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DB 661 ELAKTVFGAKELGKMWVDCCTDPDGRP 687

RESULT 2
US-09-519-223-21
Sequence 21, Application US/09519223
GENERAL INFORMATION:
APPLICANT: Jones, Simon
APPLICANT: Tang, Jim
TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridge Park Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/519,223
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/555,568
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724

```

```

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ. ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 687 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-09-519-223-21

Query Match 100.0%; Score 3620; DB 3; Length 687;
Best Local Similarity 100.0%; Pred No. 0;
Matches 687; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 NPNRSQGFRLFOLEADALVNFHOYSQQLPFYESSPQVLHTEVLOHLTLIRNHPSW 120
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DB 121 SVAHLAVELGIRECFHSHRIISCANCAENEGCTPLHLACRKDEILVELVOYCHTOMD 180
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DB 181 VTDYKGETVFHYAVOQDNSQVQLLGRNAVAGLNOVNOGTLPLHLACQLGKQEMVAVLL 240
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QY 541 LHLFRNYDAPETVREPRFNQVNLPRPAQPSDQLVWRAARSSGAAPTYFRPNGRFLDGL 600
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DB 661 ELAKTVFGAKELGKMWVDCCTDPDGRP 687

RESULT 3
US-09-927-180-21
Sequence 21, Application US/09927180
GENERAL INFORMATION:
APPLICANT: Jones, Simon
APPLICANT: Tang, Jim
TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
NUMBER OF SEQUENCES: 25

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